

TAF II p150 (N-14): sc-98160

BACKGROUND

TFIID is a general transcription factor that facilitates the preinitiation complex assembly through direct interactions with the TATA promoter element. TFIID is a multi-subunit complex consisting of a small TATA-binding polypeptide (TBP) and other TBP-associated factors (TAFs), and is essential for mediating promoter responses to multiple repressors and activators. TAF II p150 [TAF2 RNA polymerase II, TATA box binding protein (TBP)-associated factor], also known as RNA polymerase II TBP-associated factor subunit B, transcription initiation factor TFIID subunit 2, TAF2B, CIF150, TAFII150 or TAF2, is a 1,199 amino acid protein which is widely expressed and localizes to the nucleus. TAF II p150 is a member of the TAF2 family, and is a component of both TFIID and the TFTC-HAT complex. TAF II p150 is known to stabilize TFIID binding to a core promoter and interacts with TAF II p135. The gene encoding TAF II p150 maps to human chromosome 8q24.12.

REFERENCES

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6. Cavusoglu, N., Brand, M., Tora, L. and Van Dorsselaer, A. 2003. Novel subunits of the TATA binding protein free TAFII-containing transcription complex identified by matrix-assisted laser desorption/ionization-time of flight mass spectrometry following one-dimensional gel electrophoresis. *Proteomics* 3: 217-223.

CHROMOSOMAL LOCATION

Genetic locus: TAF2 (human) mapping to 8q24.12; Taf2 (mouse) mapping to 15 D1.

SOURCE

TAF II p150 (N-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of TAF II p150 of human origin.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-98160 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

TAF II p150 (N-14) is recommended for detection of TAF II p150 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

TAF II p150 (N-14) is also recommended for detection of TAF II p150 in additional species, including equine, canine, bovine and avian.

Suitable for use as control antibody for TAF II p150 siRNA (h): sc-77487, TAF II p150 siRNA (m): sc-154048, TAF II p150 shRNA Plasmid (h): sc-77487-SH, TAF II p150 shRNA Plasmid (m): sc-154048-SH, TAF II p150 shRNA (h) Lentiviral Particles: sc-77487-V and TAF II p150 shRNA (m) Lentiviral Particles: sc-154048-V.

Molecular Weight of TAF II p150: 137 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.